



QP CODE: 26019658



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc Artificial Intelligence

ELECTIVE - AI800403 - BIG DATA ANALYTICS

2020 Admission Onwards

6D7AD9EB

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What are the four critical parts of typical credit risk framework?
2. What is Data Discovery ?
3. What is non-uniform data ?
4. What is Sharding?
5. What is business and system Transactions?
6. Define Serialization.
7. What is Map file Variants?
8. What are the main parts of Apache Oozie?
9. What is Capacity Scheduler?
10. How to create a tables in Hive using DDL?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain the three dimensions in Big Data.
12. Explain the fraud Detection Powered by near real time processing frame work.
13. What are the Consequence of Aggregate Orientation?





14. How does the namenode choose.Which data node to store replicas on?
15. What is Hadoop local file system?
16. How status updates are propogated through the MapReduce 2 System?
17. Write a short note on Hbase .
18. Explain column family in Cassandra.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain Big Data and Health Care.
20. What are the different type of Consistency?
21. What do you mean by input format and what are the types of input format in MapReduce?
22. What are the different types of join statements? Explain with example in Hive.

(2×5=10 weightage)

